UNITED STATES DEPARTMENT OF AGRICULTURE

LIBRARY

Number 11 Bibliographical Contributions January, 1926

LIST OF MANUSCRIPT BIBLIOGRAPHIES AND INDEXES
in the U. S. Department of Agriculture
including serial mimeographed lists of current literature

Compiled by

E. Lucy Ogden, Bibliographical Assistant
and
Emma B. Hawks, Associate Librarian

Washington, D. C.

UNITED STATES DEPARTMENT OF AGRICULTURE

LIBRARY

Bibliographical Contributions.

No. 1. A check list of the publications of the Department of Agriculture on the subject of plant pathology, 1837-1913. Prepared in the Bureau of Plant Industry Library. 1919. (Superseded by No.8)

No. 2. Check list of publications of the state agricultural experiment stations on the subject of plant pathology, 1876-1920. Prepared in the Bureau of Plant Industry Library. 1922.

No. 3. Check list of publications issued by the Bureau of Plant Industry, United States Department of Agriculture, 1901-1920 and by the divisions and offices which combined to form this bureau, 1862-1901. Prepared in the Bureau of Plant Industry Library. 1921.

No. 4. Bibliography on the preservation of fruits and vegetables in transit and storage with annotations. Prepared in the Bureau of Markets and Crop Estimates Library. 1922.

No. 5. Index to some sources of current prices. Prepared in the Bureau of Agricultural Economics Library. 1923.

No. 6. Partial list of publications on dairying issued in the United States. 1900 to June, 1923. Prepared in the Bureau of Animal Industry Library. 1923.

No. 7. Bibliography on the marketing of agricultural products. Prepared in the Bureau of Agricultural Economics Library. 1924. (Superseded by U. S. Department of Agriculture Miscellaneous Circular 35).

No. 8. Author and subject index to the publications on plant pathology issued by the U. S. Department of Agriculture up to January 1, 1925. Prepared in the Bureau of Plant Industry Library. 1925.

No. 9. World food supply. A selected bibliography. Prepared in the Bureau of Agricultural Economics Library. 1925.

No. 10. Refrigeration and cold storage. A selected list of references covering the years 1915-1924 and the early part of 1925. Prepared in the Bureau of Agricultural Economics Library. 1925.

No. 11. List of manuscript bibliographies and indexes in the U. S. Department of Agriculture, including serial mimeographed lists of current literature. Prepared in the Library of the Department. 1926.

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CONTENTS

PREFACE

The present list is a revision of one compiled by the Library in 1918, entitled "Bibliographical work, special indexes, directories and lists of publications in progress" which was issued as Library Notes No. 6. The earlier compilation contained 51 entries as compared with 202 in the present list. It has been the intention to include herein only manuscript indexes and bibliographies and such printed and mimeographed lists as are kept up to date on cards. Short manuscript lists, such as are used in answering correspondence, have been excluded, as have also address lists.

Miss Hawks began the compilation and also attended to the final editing. Miss Ogden, formerly Librarian of the States Relations Service, who was employed temporarily in the Library during the past summer, did the major part of the assembling and arranging of the material and also prepared the index.

In the compilation of the list the Library had the assistance of the librarians and chief clerks of the various bureaus. It is hoped, therefore, that no important bibliographies have been omitted.

Claribel R. Barnett,

Librarian.

LIST OF MANUSCRIPT BIBLIOGRAPHIES AND INDEXES
in the U. S. Department of Agriculture
including serial mimeographed lists of current literature

Agriculture and Related Sciences

1 Card Catalogue of the Library, U.S. Department of Agriculture. A very important source of bibliographical information in regard to agriculture in all its branches and to the sciences related to agriculture; over 500,000 cards, author and subject, in dictionary arrangement, covering books in the main and bureau libraries, many pamphlets, publications of the U. S. Department of Agriculture, and articles in periodicals listed in entry 4. Cards printed by the Library of Congress are included for books of interest located in other libraries. The special catalogues described in entries no. 4-8, 27, 28, 30, 39 and 152 are also located in the Library, convenient for consultation, near the general catalogue. A very useful aid in locating books not in the U. S. Department of Agriculture is a file of canceled charges of books borrowed from other libraries which has been maintained since 1907 or before. A list of the principal accessions to the Library is published weekly in the Official Record of the Department. (Library, U. S. Department of Agriculture)

2 Bibliographical Contributions, Library, U. S. Department of Agriculture. A mimeographed series issued at irregular intervals; nos. 1, 2, 3, 8 prepared in the Bureau of Plant Industry Library; nos. 4, 5, 7, 9, 10 in the Bureau of Agricultural Economics Library; and no. 6 in the Bureau of Animal Industry Library.

Contents: No. 1, A check list of the publications of the Department of Agriculture on the subject of plant pathology, 1837-1918. 38 p. June, 1919.-- No. 2, Check list of publications of the state agricultural experiment stations on the subject of plant pathology, 1876 to 1920. 179 p. Apr. 1922.-- No. 3, Check list of publications issued by the Bureau of Plant Industry, U. S. Department of Agriculture, 1901-1920 and by the Divisions and Offices which combined to form this bureau, 1862-1901. 124p. Jan., 1921. -- No. 4, Bibliography on the preservation of fruits and vegetables in transit and storage, with annotations. 76p. June, 1922. -- No. 5, Index to some sources of current prices. 124p. Apr.1923. -- No. 6, Partial list of publications on dairying issued in the United States, 1900 to June 1923. 236p. Aug., 1923.-- No. 7, Bibliography on the marketing of agricultural products. 133p. June, 1924. (Revision published as Miscellaneous circular 35 of the Department) -- No. 8, Author and subject index to the publications on plant pathology issued by the U. S. Department of Agriculture up to January 1, 1925. -- No. 9, World food supply, a selected bibliography. 68p. June, 1925. -- No. 10, Refrigeration and cold storage; a selected list of references covering the years 1915-1924 and the early part of 1925. 58p. Oct. 1925.

Agriculture and Related Sciences (cont'd.)

3 Experiment Station Record. Indexes. Combined subject index to the Experiment Station Record, v. 26 to date, on cards; combined name index for volumes 20 to date on cards. The subject cards supplement the published general indexes which cover volumes 1 to 25, a general index to volumes 26 to 40 being now in press. These card files are primarily for the use of the Experiment Station Record staff but are available for consultation in the office of the indexer. The Record is a review of current technical and scientific literature in agriculture and its contributory sciences, classified under: Agricultural chemistry and agrotechny; meteorology; soils and fertilizers; agricultural botany; bacteriology and plant pathology; genetics; field crops; horticulture and forestry; economic zoology and entomology; foods and human nutrition; animal husbandry; dairying and dairy farming; veterinary medicine; rural engineering; rural economy and sociology; agricultural education. Two volumes containing nine numbers and an index are issued yearly. With rare exceptions, all publications of the U. S. Department of Agriculture and the state agricultural colleges are covered and a selection is made of other pertinent literature of world-wide range. With few exceptions the publications indexed are in the Library of the Department. (Indexer, Experiment Station Record, Office of Experiment Stations)

4 Foreign agricultural periodicals. Printed cards. Printed by the Library of Congress from copy prepared in the Library, U. S. Department of Agriculture; author and subject cards for articles in the following foreign periodicals: Annales de l'Institut national agronomique, Annales de la science agronomique, Landwirtschaftliche jahrbücher, Die Landwirtschaftlichen versuchsstationen. These sets have been indexed from the first issues to date. A separate file of these cards is maintained and they are also incorporated in the general card catalogue. (Library, U. S. Department of Agriculture)

5 Reports of state boards of agriculture. Card index. Author and subject cards, in separate files, for reports of state boards of agriculture and state agricultural societies. No additions made since 1915; only the following states are represented: Alabama, California, Connecticut, Illinois, Indiana, Iowa, Kansas, Maine, Massachusetts, Michigan, Missouri, Nebraska, New Hampshire, New York, Ohio, Pennsylvania (1877-1881 only). (Library, U. S. Department of Agriculture)

6 Serials currently received. A list of the periodicals and other serial publications currently received in the Library was issued in 1922 as Department Circular 187. Later additions are kept on cards in the Periodical Division of the Library, arranged by subject and by place of publication. Entries under title and subject are included in the catalogue of the Library. (Library, U. S. Department of Agriculture)

Agriculture and Related Sciences (cont'd.)

7 U. S. Department of Agriculture publications. Catalogue. A dictionary (author and subject) card catalogue of publications of the U. S. Department of Agriculture. The Library of the Department prepares copy for these cards which are printed and distributed by the Library of Congress. Manuscript subject cards and sometimes author cards, are also made for mimeographed material and these, with the printed cards, are incorporated in the general catalogue of the Library and also maintained in a separate file in dictionary arrangement. Another file (of printed cards only) is kept, in which cards are arranged by series and number and also under the name of the publishing bureau or division. (Library, U. S. Department of Agriculture)

8 U. S. Department of Agriculture publications. Index. A dictionary (author and subject) catalogue. About 250,000 cards covering publications of the U. S. Department of Agriculture from the beginning to date, bringing out topics in great detail. Prepared in the Office of Publications. Filed in the Library, U. S. Department of Agriculture.

Agriculture. Economics

9 Card catalogue of the Library of the Bureau of Agricultural Economics. Author and subject; dictionary arrangement; covers technical and non-technical books, periodical articles and pamphlets in the field of agricultural economics, including farm management, marketing, agricultural finance, rural sociology, land and rent, labor and wages, and statistics. It is particularly strong in material relating to production, consumption, acreage, etc., of agricultural crops, foreign and domestic, and contains cards for some material in libraries other than the U. S. Department of Agriculture. (Library, Bureau of Agricultural Economics)

10 Agricultural Economics Bibliography. A mimeographed series, issued at irregular intervals (approximately monthly) beginning with January, 1925, providing a separate vehicle for issue of selected bibliographies which previously were included in the Library Supplement of the B.A.E. News and confining that supplement more closely to book and periodical reviews and descriptions of the work of the Library of the Bureau. Designed to include bibliographies in process of compilation by the Divisions of the Bureau as well as by the Library, in order to make material available as soon as possible, even though it might be intended for issue later in more permanent form; revisions of each number to be issued from time to time.

Contents: No. 1, Agricultural economics, a selected list of references. 11p. Jan. 1925. -- No. 2, Flour milling and bread baking. 22p. Feb., 1925. -- No. 3, A beginning of a bibliography of the literature of rural life. 20p. Mar., 1925. -- No. 4, Price spreads, a selected list of references. 20p. Mar., 1925. -- No. 5 Long-time agricultural programs in the United States, national, regional and state. 20p. June, 1925 -- No. 6, Aids to writers and editors. 8p. June, 1925.

Agriculture. Economics (cont'd.)

11 Agricultural cooperation. A selected and annotated reading list on cards, supplementary to U. S. Department of Agriculture Miscellaneous Circular no. 11 (1923) and its mimeographed supplement (1924). It includes only works printed in English and excludes periodical references except proceedings of associations and reprints. (Division of Agricultural Cooperation, Bureau of Agricultural Economics)

12 Grain handling. Abstracts and excerpts on sheets in loose leaf binders since about 1920. A binder is devoted to each of the following subjects: Apparatus for grain grading; barley; bulk handling of grain; dockage and grain screenings; grain cleaning; grain grading and standardization; grain sorghums; moisture in corn; moisture in wheat; rice; rye; shrinkage of grain; smut dockage; test weight per bushel; weeds in grain; yellow-berry in wheat. Various mimeographed lists have been based on this material. (Grain Division, Bureau of Agricultural Economics)

13 Statistics. A card index to the sources of statistical data in foreign periodicals, chiefly official. In two sections, one arranged under country, containing an entry for each periodical title indexed, noting the general character of the periodical, and brief historical data as to change of title, etc.; the other a subject file, bringing out articles on the economic aspects of agriculture and statistics of acreage, production, export, import, price, cost of production, etc., under names of commodities; 12 countries now represented. (Library, Bureau of Agricultural Economics)

Agriculture. History.

14 Agricultural history. Card catalogue of the history of agriculture in the southern states; begun in 1908 and still in progress; approximately 3,500 cards; numerous abstracts have been made and are on file; probably the most complete in the United States. (L. C. Gray, Division of Land Economics, Bureau of Agricultural Economics)

Animal Husbandry

15 Grazing. Card index by subjects of articles relating to grazing studies. About 3,000 cards. Begun about 1914. (Branch of Grazing, Forest Service)

16 Sheep. About 2,000 entries on sheep and wool. (Sheep Office, Animal Husbandry Division, Bureau of Animal Industry)

Bacteriology

17 Bacteria. Names of species. 3,000 entries on cards, arranged by species. Fairly complete to date. Habitat noted. (Helen E. Fox, Bureau of Plant Industry)

Bee Culture.

18 Bee culture. All phases, including diseases. Largely abstracts of and references to papers published in beekeeping and allied journals of the United States and foreign countries. About 30,000 references on 5 x 8 in. cards, many with abstracts in envelopes arranged with the cards. Arranged by author. A subject arrangement is also in progress. (Bee Culture Laboratory, Bureau of Entomology, Somerset, Md.)

Biographical Information

19 Biographical notices. A record on cards of biographical notices of agricultural writers, scientists and agriculturists of note; about 1,500 entries. (Librarian's Office, U. S. Department of Agriculture)

20 Botanists. Cards containing biographical information in regard to persons who have contributed to botanical knowledge, including many names of travellers and collectors, also breeders and introducers of plants, are incorporated in the author section of the Botany catalogue (see entry 27). A supplementary list is maintained for botanists, collectors, etc., whose names do not appear in the catalogue. Maintained by Alice C. Atwood, Bureau of Plant Industry. (Located in Library, U. S. Department of Agriculture)

21 Entomologists. Over 1,400 photographs of entomologists, collected personally by Dr. L. O. Howard and filed in his office; 200 groups pictures are included. The photographs are mounted on uniform cardboard mounts, 8 x 10 inches, and most of them give date of birth, information as to the man's work, or personal notes by or to Dr. Howard; many are autographed. Arranged alphabetically by surname. Additions are constantly being made. For consultation apply to Dr. L. O. Howard, Chief, Bureau of Entomology.

22 Horticulturists. Deceased American. Card index to references on deceased Americans who had become known in connection with horticulture, pomology, and kindred subjects, found in biographical sketches, memoirs, resolutions, historical notes and other published sources. Cards bear also dates of birth, death, and place of residence. About 1,000 names. Complete up to 1916; not kept up regularly. (Library, Office of Horticultural Investigations, Bureau of Plant Industry)

23 Horticulturists. A clipping file of biographical data on horticulturists, chiefly American but including some outstanding foreign names; maintained to date from about 1915; occupies 3 1/2 correspondence file drawers for American and 1/2 drawer for foreign names. (Library, Office of Horticultural Investigations, Bureau of Plant Industry)

24 Meteorologists. Catalogue of portraits of meteorologists. (Library, Weather Bureau)

25 Ornithologists. Biographical data. (T. S. Palmer, Bureau of Biological Survey)

Biographical Information (cont'd.)

26 The "Scientific Register". A card register setting forth the educational qualifications, experience, and brief biographical data concerning the administrative officers and members of the scientific staffs of the land-grant agricultural colleges and experiment stations in the United States. The register is used frequently for furnishing information concerning men who are being considered for appointment to positions in this Department and in the various agricultural schools, colleges and experiment stations in the different States. About 4,000 entries. A subject index is maintained in connection with this register. (Editor's Office, Office of Experiment Stations)

Botany. General

27 Botany catalogue. This consists of three units, an author catalogue and two subject catalogues, one of general botany (systematic, economic, geographic, morphological, physiological and ecological) and the other of plant pathology exclusive of diseases caused by insects, for a description of which see entry no. 152. The catalogue covers botanical works in the various libraries in the city of Washington and includes analytical entries for botanical material contained in botanical and scientific works and serials. Maintained cooperatively by the Office of Economic and Systematic Botany, and the Library, Bureau of Plant Industry; in charge of Alice C. Atwood, Bureau of Plant Industry. (Located in Library, U. S. Department of Agriculture)

28 Botany union catalogue. An author catalogue for botanical works in the libraries of the United States. In process of making. It now covers libraries in Washington, with entries for material in some other libraries such as Missouri Botanical Garden, New York Botanical Garden, Arnold Arboretum. Probably contains over 20,000 cards. Maintained by Alice C. Atwood, Bureau of Plant Industry, (Located in Library, U. S. Department of Agriculture)

29 Current botanical literature. A bi-weekly mimeographed list of current publications of botanical interest received at the Department of Agriculture Library. Contents arranged in three groups: First, articles in scientific serial literature of world-wide range, alphabetic by title of the publication, with explanatory notes and indication of new species; second, state experiment station literature; third, new books. Prepared by Alice C. Atwood, issued by the Bureau of Plant Industry Library.

30 Scientific serials of botanical interest. A union card catalogue of such scientific periodicals and society proceedings in the libraries of Washington as contain material of botanical interest. Maintained by Alice C. Atwood, Bureau of Plant Industry. (Located in the Library, U. S. Department of Agriculture)

Botany. Specific Topics

31 Algae. Author and subject card index of economic algae since 1920; about 200 entries. (V. A. Pease, Bureau of Chemistry)

32 Aspergillus. A bibliography of Aspergillus arranged under specific name giving citations of original and many supplementary descriptions, accompanied by two files, one of cards containing copies of original descriptions, synonomy, cultural notes and other data, published or original, the other file consisting of photostat copies of the rarer literature. Includes about 300 specific names. To be published as a monograph in 1925 after which a supplementary file will be kept currently. (Charles Thom, Microbiological Laboratory, Bureau of Chemistry)

33 Corn. Index to the literature of corn (Zea Mays), author and subject cards in separate files. Purposes to cover all recorded information on maize, early frescoes, calendars, etc., as well as published material. Books and periodicals thoroughly analyzed for subject up to 1917, since when author entries only have been added for material from selected publications. Especially strong in early history, evolution and breeding of maize. In 1920 estimated at 40,000 subject and 6,000 author entries. The author entries have been photographed and the plates kept so that copies may be procured for the cost of reproduction. Begun as a cooperative project of the Office of Crop Acclimatization Investigations and the Department Library, by Mary G. Lacy and now continued by her. (Located in Library, Bureau of Agricultural Economics)

34 Cotton. Breeding and genetics of cotton. Approximately 500 entries by author. Fairly complete since 1910. (T. H. Kearney, Bureau of Plant Industry)

35 Economic plants. Foreign plants of economic value. 10,000 entries by subject. Fairly complete for recent literature. (Office of Foreign Seed and Plant Introduction, Bureau of Plant Industry)

36 Grasses. Original publication of genera, species and varieties of grasses. 50,000 entries by author. 1753 to date. Approximately complete. Data on type and synonyms included. (A. S. Hitchcock and others, Bureau of Plant Industry, located at Smithsonian Institution)

37 Penicillium. A bibliography of Penicillium, arranged by specific names with citation of original description and many supplementary descriptions and accompanied by other data as described for entry no. 32, for Aspergillus, but in less advanced stage, although of about twice the bulk of that bibliography. (Charles Thom, Microbiological Laboratory, Bureau of Chemistry)

38 Plant distribution. Foreign. Native names of foreign plants and their distribution. 24,000 entries. (Office of Foreign Seed and Plant Introduction, Bureau of Plant Industry)

Botany. Specific Topics (cont'd.)

39 Plant portraits. Illustrations of species and varieties of phanerogams. 75,000 to 100,000 entries by subject. Supplements Pritzel's Iconum Botanicarum Index (1861-1865). Covers later issues of periodicals indexed in Pritzel, works omitted therein and much current literature. Prepared by Alice C. Atwood, Bureau of Plant Industry. (Located in Library, U. S. Department of Agriculture)

40 Root ecology. 1898 to 1923. 45 entries by author and title. (Ferdinand W. Haasis, Appalachian Forest Experiment Station, Asheville, N. C.)

41 Salix (willows). 1,800 entries by author and subject (taxonomy, morphology, pathology, physiology, ecology, technology). Covers period of American botanical activity. Abstracts included in part. 60% complete. Also 200 similar entries on Populus (aspen, cottonwood, poplar.) (Carleton R. Ball, Bureau of Plant Industry)

42 Seeds. Germination of seeds. 5,000 entries by author, title and subject. Approximately complete. Abstracts included in some cases. (Seed Laboratory, Bureau of Plant Industry)

43 White pines. White or five needled pines. 544 entries by author. 1723 to date. Incomplete. (Roy G. Pierce, Bureau of Plant Industry)

Chemistry. General

44 Card catalogue of the Library, Bureau of Chemistry. Dictionary catalogue covering organic, inorganic, physical, biological, and physiological chemistry and the chemistry of foods and drugs. Includes books and reprints from scientific and technical serials in the U. S. Department of Agriculture and selected material from other government libraries. About 40,000 cards. (Library, Bureau of Chemistry)

45 Bureau of Chemistry activities. Classified card index of the work of the Bureau of Chemistry. Designed to embrace all published and unpublished data from the organization of the Bureau and to furnish a ready means of ascertaining whether work on a given subject has been done by the Bureau and where the records may be found. Arranged by subject, author and serial number of publication. In progress. Approximately 2,000 cards. (R. W. Balcom, Bureau of Chemistry)

Chemistry. Specific Topics

46 Alkyl esters. Bibliography of hydrolysis and saponification of alkyl esters, accompanied by a file of photostats of selected literature. About 75 to 100 references, essentially complete to date. (J. C. Munch and E. W. Schwartze, Pharmacological Laboratory, Bureau of Chemistry)

Chemistry, Specific Topics (cont'd.)

47 Aliphatic alcohols and alkyl esters. Tabulated data on refractive index, boiling point, and density of aliphatic alcohols and alkyl esters with references to the source of information. Essentially complete. About 300 to 400 references. (J. C. Munch and E. W. Schwartze, Pharmacological Laboratory, Bureau of Chemistry)

48 Amino acids, their physical and chemical properties, their role in nutrition, methods of analysis, occurrence and sources, percentages in proteins. About 2,000 entries by author, title, name of acid and application. 1915 to date. Brief abstracts in many cases. Complete. (Protein Investigation Laboratory, Bureau of Chemistry)

49 Carbohydrates. Card index to literature relating to occurrence, production, properties and methods of analysis of sugars, sugar products and other carbohydrates from both manufacturing and chemical standpoints. Entries by subject according to a minutely divided decimal system. Begun Jan. 1, 1923; about 6,000 entries(including 2,000 cross references) added per year. About 70 chemical and trade journals, U. S. and foreign, covered regularly; abstract journals covered give references to about 400 U. S. and foreign publications, including patents. Complete to date. (Carbohydrate Laboratory, Bureau of Chemistry)

50 Distribution coefficients. Bibliography and data on distribution coefficients. About 1,000 references. (J. C. Munch and E. W. Schwartze, Pharmacological Laboratory, Bureau of Chemistry)

51 Dye patents. American. About 35,000 cards indexing 3,000 patents; entries under number, intermediates, chemical class, color, application to fiber, fiber on which used, and owner, 1861-1921. Abstracts included. Complete to July 1921. (Color Investigation Laboratory, Bureau of Chemistry)

52 Hydrogen-ions relating to plants, either directly or incidentally. Approximately 200 entries by subject. Fairly complete. (Agnes J. Quirk, Bureau of Plant Industry)

53 Proteins. Preparation and isolation of proteins from different sources; physical and chemical properties; nitrogen distribution and amino acid composition; biological value in nutrition. About 3,000 entries, by title, subject, source and author. Brief abstracts in many cases. Fairly complete from 1916. (For consultation apply to head of the Protein Investigation Laboratory, Bureau of Chemistry)

54 Rare chemicals. Card index of rare chemicals for research work in stock in the Bureau of Chemistry. Arranged by chemical name or formula. Represents about 5,000 rare chemicals some of which could not be replaced when present stock is exhausted. (G. C. Spencer, Laboratory of Analytical Reagent Investigations, Bureau of Chemistry)

Dairying

55 Card catalogue of the Library, Bureau of Dairying. Card index to the literature of dairying. About 13,000 cards, author and subject, dictionary arrangement. Includes technical and non-technical books, pamphlets, periodical articles and literature of the U. S. Department of Agriculture and state agricultural experiment stations. (Library, Bureau of Dairying)

56 Milk secretion. Biochemistry of milk secretion and related nutritional topics. About 700 author entries. 1850 - date. A few abstracts included. No attempt at completeness. (Edward B. Meigs, Dairy Division, Experiment Station, Beltsville, Maryland)

Ecology

57 General ecology, a selected list. 3,000 entries by subject. (H. L. Shantz, Bureau of Plant Industry)

58 Fauna of Plummer's Island, Md. and vicinity. About 560 entries by author. 1901 to date. Practically complete. (W. R. McAtee, Bureau of Biological Survey)

59 Natural vegetation of Africa. 1,200 entries by author and country. Abstracts included. (H. L. Shantz, Bureau of Plant Industry)

60 Natural vegetation of South America. 1,500 entries by author and country. Abstracts included. (H. L. Shantz, Bureau of Plant Industry)

Engineering (Including Highway Economics and Finance)

61 Card Catalogue of the Library, Bureau of Public Roads. Includes technical and non-technical books, periodicals, pamphlets and official literature of interest in the work of the Bureau which covers the following subjects: Construction and maintenance of roads and bridges, including tests of road building material; highway economics, finance and transport; traffic regulations; farm structures, including heating, ventilation and lighting of farm homes; domestic water supply and sewage disposal for the farm; power, machinery and implements for the farm; irrigation and drainage. Full entries, author and subject, dictionary arrangement; many analyticals; about 28,800 cards. Includes material in other Washington libraries as well as in the Department of Agriculture Library. (Library, Bureau of Public Roads)

62 Card index of periodical literature pertinent to the work of the Bureau of Public Roads. A card file of entries which have been included in weekly mimeographed lists of new literature as described in the following entry. (Library, Bureau of Public Roads)

Engineering (Including Highway Economics and Fiance) (cont'd.)

63 "Contents of New Periodicals in the Bureau of Public Roads Library". A weekly mimeographed list of material pertinent to the work of the Bureau appearing in periodicals, pamphlets, press releases and other mimeographed material. The entries are alphabetical by title of serial with contents of interest noted under each title. A supplementary group consists of new books, reports, pamphlets, etc., listed by title and annotated but not analyzed for contents. Entries are subsequently pasted on cards and filed permanently by subjects with a chronological arrangement under subject. An address and price list of the principal periodicals covered was issued in mimeographed form in 1925. (Library, Bureau of Public Roads)

64 Highway transportation and finance. Card index of selected references. Dr. J. Gordon McKay, Bureau of Public Roads)

65 Road building and materials. Patents. Card index of patents to materials, methods of construction, machinery and instruments for pavement construction. (A. T. Goldbeck, Bureau of Public Roads)

Entomology. General

66 Bureau of Entomology Library Catalogue of all books and periodicals on entomology belonging to the Library of the U. S. Department of Agriculture, the greater part of which are filed in the Bureau Library; includes a good many analytics from scientific journals, etc., and cards for many works on entomology in the Library of Congress, the Geological Survey and the Surgeon General's Library. Dictionary catalogue of authors and subjects in one alphabet. Full entry. About 68,000 cards. (Library, Bureau of Entomology)

67 Concilium Bibliographicum. (Zurich) card catalogue of references to entomology in periodical literature only, from 1896 to date; includes all countries. Subject catalogue only in Bureau Library; classed, by special scheme of the Concilium; full entry, with contents. In progress. Approximately 81,000 cards. Accessible to the public. (Library, Bureau of Entomology)

68 Entomology in U. S. Department of Agriculture publications. Index to entomology in the U. S. Department of Agriculture publications. An alphabetical list by author with subject index, alphabetic by name of insect. Approximately 3,000 slips. Many slips contain 10 or more references, as the entries are very brief. In progress, Accessible to the public. (Library, Bureau of Entomology)

69 Index to the literature of American economic entomology. A subject index, alphabetical by the scientific name of the insect, compiled by the Librarian of the Bureau of Entomology. Kept currently on slips until ready for publication in 5 year periods. Very brief entry. Includes references to entomological, agricultural, horticultural, scientific biological and medical literature. A cooperative project of the Bureau and the American Association of Economic Entomologists, this index continues the Banks index (1905-14) and

Entomology. General (cont'd.)

the Colcord index (1914-19,1920-24) prepared in the Bureau of Entomology Library and published by the Association. These indexes are modified extensions of the Bibliography of American Economic Entomology, Parts I-V, by Samuel Henshaw (1889-1896) and Parts VI-VIII by Nathan Banks (1898-1905) published by the U. S. Department of Agriculture. The latest printed index (for 1920-24) contains about 40,000 entries. (Library, Bureau of Entomology)

Entomology. Specific Topics

70 Aphidae(Homoptera). Entries by author and subject. Up to date. Abstracts included in part. Fairly complete, except for such oriental languages as Japanese. (A. C. Baker and P. W. Mason, Bureau of Entomology)

71 Blissus leucopterus (chinch bug). 800 entries, from 1789 to 1920. (J. A. Hyslop, Bureau of Entomology)

72 Cecidomyia (Phytophaga) destructor Say (Hessian fly). Selected references from 1785 to 1903, inclusive. Approximately 350 references, entries by author, title and date. Brief mention of distribution, habits, parasites, etc. Available for consultation. (G. I. Reeves, Bureau of Entomology)

73 Cimex lectularius (bedbug), fumigation with HCN gas. (O. G. Babcock, Sonora, Texas. For consultation write F. C.Bishopp, Bureau of Entomology, U. S. Department of Agriculture, Washington, D. C.)

74 Cleridae. Coleopterous family: Cleridae. More than 5,000 entries by author and subject: 1758 to date; subjects, 40 per cent complete; authors, 70 per cent complete. (Edwin A. Chapin, East Falls Church, Va.)

75 Coccidae of the world. 5,000 author cards; theoretically complete; a systematic catalogue and host and distribution indices. Property of the Bureau of Entomology. (Located in the office of Harold Morrison, U. S. National Museum)

76 Cynipidae. Bibliography of each American species of Cynipidae (Hymenoptera) north of Central America, and of papers on American Cynipidae, systematic and biologic. 600 entries by species. Complete to 1922. (Lewis H. Weld, National Museum, Washington, D. C.)

77 Diptera. A systematic catalogue of the genera of the world, and the species of North America, arranged alphabetically under the genera. Includes many references to exotic species but is not complete in this regard. This catalogue is the property of the National Museum and under the direction of Dr. Aldrich. This formed the basis of Dr. Aldrich's catalogue of North American Diptera published a number of years ago by the Museum. (Located in Division of Insects, National Museum)

Entomology. Specific Topics (cont'd.)

78 Diptera. Immature stages. A taxonomic catalogue, references to descriptions, and figures of immature stages of Diptera. This catalogue is the property of the Bureau of Entomology and has been prepared by C. T. Greene. (Under the custody of Mr. Greene and located in the Division of Insects, National Museum)

79 Elateridae of North America. Taxonomic bibliography. (J. A. Hyslop, Bureau of Entomology)

80 Entomophagous insects. References to records of host relationship of parasitic insects of the world, arranged according to hosts, but synonymy not up to date. References to literature only, no abstracts. Approximately 40,000 records to date; incomplete, but in progress. Being compiled by L. O. Howard and Harry S. Smith. If inquirers will provide complete synonymy of host insects, Harry S. Smith, Citrus Experiment Station, Riverside, California, will endeavor to supply them with the available records.

81 Foreign injurious insects. An index of what appear to be the more important foreign injurious insects which are not now known to occur in the United States, and which may gain entry in plants and products. (Plant Quarantine Inspection Service, Federal Horticultural Board)

82 Fruit flies. Index of fruit flies of the world, on cards, arranged by (1) fruit flies, (2) hosts, (3) localities. Practically complete and kept up to date. (Federal Horticultural Board)

83 Greenhouse insects. Greenhouse insect index. By John J. Davis, Purdue University, Lafayette, Indiana. About 1,500 entries by date, with host and insect indices. Complete to date for American literature. (Copy in office of Mr. C. A. Weigel, Bureau of Entomology)

84 Hymenoptera. Bibliographical catalogue of the papers dealing with Hymenoptera, and index to the taxonomic bibliographical literature of the species of the world. This catalogue starts with the Catalogus Hymenopterorum as a basis and is practically complete for the literature since Dalla Torre's catalogue. The author catalogue is arranged alphabetically and then chronologically. The taxonomic catalogue is arranged alphabetically under major groups and contains about three-fourths of a million entries. This index also includes a cross reference, host parasite and food plant catalogue. It is now under the supervision of Mr. Rohwer, and is the joint property of the Bureau of Entomology and the National Museum. It has been prepared under the direction of Messrs. J. C. Crawford, H. L. Viereck and S. A. Rohwer. (Located in Division of Insects, National Museum)

Entomology. Specific Topics (cont'd.)

85 Hymenoptera, host index. Manuscript catalogue of host relations of parasitic Hymenoptera of the world. Complete from beginning. (Harry S. Smith, Citrus Experiment Station, Riverside, California)

86 Insects used as food. About 350 references to literature on this subject, arranged alphabetically by author; full entry, with notes. Many of the references to old books have not been verified. In progress; accessible to the public. (Library, Bureau of Entomology)

87 Macrolepidoptera. An index to the taxonomic literature of the species and genera of Macrolepidoptera occuring in the world. Contains many thousand records, is arranged under the species, is practically up to date, but certain groups are not filled satisfactorily. This catalogue is the property of the Bureau of Entomology and is under the direction of Mr. Schaus. (Located in Division of Insects, National Museum)

88 Microlepidoptera. An index to the literature of genera and species of Microlepidoptera described from North and South America, including also an index to the genera of Microlepidoptera of the world. Practically up to date. This catalogue belongs to the Bureau of Entomology and is under the direction of Messrs. Busck and Heinrich. (Located in U. S. National Museum)

89 Medical entomology. Bibliography of American and foreign species of insects injurious to the health of man and of animals, arranged by authors and by species of insects. Possibly 75 per cent complete. (J. L. Webb, Bureau of Entomology)

90 Nutrition and growth of insects. Bibliography of several hundred entries, by author. Brief abstracts included. 90 per cent complete to date. (Charles H. Richardson, Bureau of Entomology)

91 Orthoptera. Entries arranged alphabetically by author, date and title. As complete as possible. (A. N. Caudell, National Museum)

92 Phytonomus posticus Gyll. (alfalfa leaf weevil). 259 entries by date, 1784 to 1928, with brief mention of contents; the first 101 based on Titus. Ann. Ent. Soc. Amer., vol. 4, no. 4, with full titles and references; the last 158 original; subject index. Prepared by Margaret M. Fagan. (G. I. Reeves, U. S. Bureau of Entomology, Salt Lake City, Utah)

93 Rhagoletis pomonella Walsh (apple maggot). 280 entries by author and date. 1866 to 1920. Practically complete. Some abstracts included. (B. A. Porter, Bureau of Entomology)

94 Southern field crop insects, e. g. cotton, tobacco, sugar cane, rice. A fairly complete bibliography of American and foreign species filed by author and by insect species. Up to date. (J. L. Webb, Bureau of Entomology.

Entomology. Specifici Topics (cont'd.)

95 Spilonota ocellana D. & S. (bud moth). 232 entries by author and date, 1776 to 1921. Practically complete. Abstracts included to some extent. (B. A. Porter, Bureau of Entomology)

96 Termitidae. Card catalogue and species index of the termites (Isoptera) of the world, including fossil species; taxonomic arrangement of catalogue with alphabetical index. In progress. Approximately 1500 species, with taxonomic bibliography of approximately 1400 titles. By A. Emerson, University of Pittsburgh and T. E. Snyder, Bureau of Entomology. Available for consultation in Bureau of Entomology.

Experiment Stations

97 Experiment Station publications. Monthly List. A mimeographed list of agricultural experiment station publications received. Arranged by state. A weekly list is published in the Official Record of the Department. (Office of Experiment Stations)

98 Experiment Station publications. Subject index. Printed cards, covering publications of the state agricultural experiment stations (exclusive of circulars and press bulletins) from the beginning to about 1917. In addition to class number, subject heading, citation of publication and its date of issue, a short abstract is given as well as citation of the abstract of the publication in the Experiment Station Record. Cards are arranged by a special subject classification indicated by number printed on the cards. Prepared in the Office of Experiment Stations where a file is kept arranged by state, series and number as well as a file arranged by classification number. Classed file also in the Library, U. S. Department of Agriculture.

99 Experiment Station publications. Title list. Title lists on cards of the publications of the state agricultural experiment stations continuing and supplementing information published in U. S. Department of Agriculture Department Bulletin 1199 (to 1920) and its supplement (to 1922). These cards and typewritten sheets prepared from them give fuller information than the printed list, and include circulars and other publications not listed in Bulletin 1199, besides constituting the material from which the supplements are prepared. Kept strictly up to date. (Library, Office of Experiment Stations)

100 Agricultural experiment station projects. A card index, kept practically up to date, of material from which is prepared annually "A classified list of projects carried on by the agricultural experiment stations" for issue in multigraph form. Classified under general subject headings with many subheadings to show where the various subjects are under investigation. A table of contents showing arrangement facilitates location of projects by subject. (Office of Experiment Stations)

Extension Publications

101 Extension publications. Monthly list. Monthly mimeographed list of current extension publications in agriculture and home economics issued under the cooperative extension services of the state agricultural colleges. Annotated. Prepared in the Library of the Office of Experiment Stations and issued by the Office of Cooperative Extension Work.

102 Extension publications. Subject index. A subject index of extension publications in agriculture and home economics issued by the state agricultural colleges has been kept on cards since January, 1916. (Library, Office of Experiment Stations)

103 Extension publications. Title lists. Title lists on cards of the publications of extension services in agriculture and home economics of the colleges cooperating with the U. S. Department of Agriculture under the Smith-Lever Act. Arranged by state, institution, series and number; from the organization of those services to date. Lists for about half of the states have been typewritten on sheets, copies of which are available for consultation in the Library of the U. S. Department of Agriculture. Both files (on sheets and on cards) are prepared and on file in the Library, Office of Experiment Stations.

Food

104 Canned foods. Card index covering references on canned foods (fruits and vegetables) dealing especially with their chemistry and incidentally with their technology and manufacture, from scientific and technical journals, since 1907. More than 1,000 cards. (Food Control Laboratory, Bureau of Chemistry)

105 Canning. Scalding and precooking as preliminary operations in the canning of foods. 152 entries by author. Abstracts included. Believed to be very complete up to 1922, some references added since. Published in 1924 as "Literature cited" in Department Bulletin 1265. (C. A. Magoon, Bureau of Plant Industry)

106 Cereal food products. Card index covering references to cereal food products, dealing especially with their chemistry and incidentally with their technology and manufacture, from scientific and technical journals since 1915. More than 1,000 cards. (Food Control Laboratory, Bureau of Chemistry)

107 Coffee. Card index covering references to coffee, dealing especially with its chemistry and incidentally with its technology and manufacture, from scientific and technical journals since 1898. More than 500 cards. (Food Control Laboratory, Bureau of Chemistry)

108 Dairy products. Card index covering references to dairy products, dealing especially with their chemistry and incidentally with their technology and manufacture. From scientific and technical journals since 1910. More than 5,000 cards. (Food Control Laboratory, Bureau of Chemistry)

Food (cont'd)

109 Fish. Chemistry of fish. 230 entries (with abstracts) complete to 1915, and supplementary card index (with abstracts). (Lloyd H. Almy, Bureau of Chemistry)

110 Fruits and fruit products. Card index covering references to fruits and fruit products, dealing especially with their chemistry and incidentally with their technology and manufacture, from scientific and technical journals since 1907. More than 1200 entries. (Food Control Laboratory, Bureau of Chemistry)

111 Glucose in relation to jellies. Selected bibliography of glucose, particularly in relation to jellies, jams and marmalades. On cards to date, supplementary to a mimeographed list compiled Oct. 1923. (Food Control Laboratory, Bureau of Chemistry)

112 Jelly making. Selected bibliography on the chemistry of jelly making. On cards to date, supplementary to a mimeographed list compiled Sept. 1923. (Food Control Laboratory, Bureau of Chemistry)

113 Legislation. Card index to foreign food and drug legislation. Over 4,000 entries by country and subject. 1906 to date. Texts on file. (Library, Bureau of Chemistry)

114 Marine food products. Card index covering references to marine food products, dealing especially with their chemistry and incidentally with their technology and manufacture, from scientific and technical journals since 1907. More than 400 cards. (Food Control Laboratory, Bureau of Chemistry)

115 Bibliography of the chemistry of pectin and its relation to jelly making, including patents. On cards to date, supplementary to a mimeographed list of references to literature since 1905 compiled November, 1923. (Food Control Laboratory, Bureau of Chemistry)

116 Shrinkage of food products. Bibliography of shrinkage of food products. Net weight statistics. Complete to 1920. (H. Runkel and J. O. Munch, Bureau of Chemistry)

117 Vinegar. Card index covering references on vinegar, dealing especially with its chemistry and incidentally its technology and manufacture, from scientific and technical journals since 1898. More than 800 cards. (Food Control Laboratory, Bureau of Chemistry)

118 Vitamins. A very full set of entries covering the field of vitamins practically from the start. Entries by author and subject (name of vitamin, source, application), with extensive references. Brief abstracts in many cases. Complete. (Protein Investigation Laboratory, Bureau of Chemistry)

Food (cont'd)

119 Wheat and flour. Bibliography of baking powder, bread, flour, milling wheat. References especially to industrial articles. 1915 to date. (Lorin H. Bailey, Bureau of Chemistry)

120 Wheat and flour, milling and baking. Abstracts of, and excerpts from, the literature of milling and baking investigations, kept in loose leaf binders since about 1920; formed the basis of, and continues the information contained in Agricultural Economics Bibliography no. 2, issued in 1925. (Grain Division, Bureau of Agricultural Economics)

121 Wheat and flour, protein. Abstracts of, and excerpts from, the literatur of protein and gluten in wheat and flour, kept in loose leaf binders sinc about 1920; formed the basis for, and supplements, a mimeographed bibliography on the subject issued in 1923. (Grain Division, Bureau of Agricultural Economics)

Forage Crops

122 Forage Crops. Forage crops, including grasses, sorghums, alfalfa, clovers, vetches, soy beans, cowpeas, velvet beans and miscellaneous legumes, also forage crop problems, as pastures, silage, feeding experiments, etc. 132,000 entries by subject. Abstracts included for three-fourths of references. Material practically all economic and mostly modern, but includes many entries taken from early European data. Information practically complete for agronomic literature, as abstracted in the Experiment Station Record, German, French, English and American periodicals in the U. S. Department of Agriculture Library. For the principal crops separate, classified files are maintained. Such files are kept for the following groups: Sorghums (including Sudan grass and related sorghums), vetches (including Vicia and Lathyrus sp.), clovers (including the genera Trifolium and Melilotus), alfalfa, soy beans, cowpeas, millet and field peas. (Office of Forage Crops, Bureau of Plant Industry)

Forestry

123 Card catalogue of the Forest Service Library. Covers the literature of forestry, lumbering and allied subjects. More than 150,000 cards. Begun in 1899 and kept up to date. Covers books in the libraries of the Forest Service and the U. S. Department of Agriculture and the Library of Congress, including articles in periodicals wherever found. Forestry and lumber journals in English are indexed regularly, also principal ones in German and French, and indexes such as Agricultural Index, Experiment Station Record, and Readers' Guide are examined for further entries. The Forest Service Library has compiled many typed and mimeographed lists on special subjects, such as Douglas fir, Farm forestry, Forest taxation, Forests and climate, Reforestation, Technique of volume and growth tables. Typed lists have also been prepared by the Forest Products Laboratory, Madison, Wisconsin, on Foreign woods, Tannins, Turpentine and rosin. (Library, Forest Service.)

Forestry (cont'd)

124 "Current literature". A list of material relating to forestry and lumbering published currently in the Journal of Forestry, arranged in three groups. The first, consisting of books, proceedings, reports, bulletins, etc., is arranged under subject; both the second (miscellaneous periodicals) and the third (trade journals and commerce reports) are arranged under title of the serial with notes of selected contents under each title. (Library, Forest Service)

125 Forestry manuscripts. A large file of manuscript articles arranged by subjects, with author index on cards. The latter contains about 4,500 cards. (Compilation Section, Forest Service)

126 Forestry with special reference to physiology and ecology. About 5,000 entries. Confined to publications in Station library and therefore incomplete. Author cards for all pertinent material in the library, subject cards for books and periodical articles but not for separates, these being arranged by subject. In charge of Miss Eunice Skamser. (Carlos G. Bates, Rocky Mountain Experiment Station, Colorado Springs, Colorado)

127 Mahogany. 95 references to true mahogany. Compiled 1910 to 1925. (A. Koehler and C. D. Mell, Forest Products Laboratory, Madison, Wisconsin)

Horticulture

128 Early horticultural works. Check list of works of definitely horticultural content before 1800. Over 10,000 entries by author, roughly indexed by subject, 1500 to 1800. Possibly 75 per cent complete. Compiled by Majorie F. Warner, Bureau of Plant Industry. (Located in Library, U. S. Department of Agriculture)

129 Fruit varieties. List of varieties of fruits with references to original description and later history. Mostly American varieties, but some foreign included. On cards, supplementing since 1916 another card index with code references to authorities giving descriptive and historical data concerning the varieties. (Library, Office of Horticultural Investigations, Bureau of Plant Industry)

130 Horticultural trade catalogues. Card index of the Department Library collection of horticultural trade publications of the United States and foreign countries. Entry under firm name with cross reference from nursery name, arranged under state (if U. S.) or country (if foreign). (Library, Office of Horticultural Investigations, Bureau of Plant Industry)

131 Nursery trade lists of fruit varieties. Index on sheets of fruit varieties listed by about 70 representative nurseries of the United States and Canada. 1916 - date. Revised annually. (Library, Office of Horticultural Investigations, Bureau of Plant Industry)

Horticulture (cont'd)

132 Tropical fruits. Tropical and subtropical fruits. 1,000 entries by subject. Fairly complete for recent literature. (Office of Seed and Plant Introduction, Bureau of Plant Industry)

Insecticides and Fungicides

133 Chloropicrin. Bibliography of chloropicrin as an insecticide. Approximately 250 references. Abstracts. Complete to 1925. (Ruric C. Roark, Bureau of Chemistry)

134 Hydrocyanic acid gas fumigation. Entries by author. Up to 1920. Very complete. Occasional abstracts included. (E. R. Sasscer & R. S. Woglum, Federal Horticultural Board)

135 Insect pest control. Entry by subject; gives the insecticide or other means of control, species of insect concerned, mode of application of control measure, host of insect, formula, preparation and dilution, result of application to insect and host, general notes and reference. A large amount of foreign literature is now indexed and a considerable portion of English. (C. H. Richardson, Bureau of Entomology)

136 Insecticides and fungicides. Chemical composition of proprietary insecticides and fungicides and chemical composition and disinfectant action of proprietary disinfectants. More than 9500 entries, by subject. 1910 to date. 90 to 95 per cent complete. Cannot be consulted or duplicated, but information will be given state and government scientists in exceptional cases on understanding that results will not be made public. (J. K. Haywood, Insecticide and Fungicide Board)

137 Oil spray bibliography. In preparation. (C. H. Richardson, Bureau of Entomology)

Meteorology and Seismology

138 Card catalogue of the Weather Bureau Library. About 39,000 cards; includes books and other separate publications in the library; author and subject. (Library, Weather Bureau)

139 Current literature. Lists of additions to the Weather Bureau Library and recent papers bearing on meteorology, published in each number of the Monthly Weather Review. (Library, Weather Bureau)

140 Agricultural meteorology. More than 1,500 entries by author and subject. 1910 to date. Abstracts included. Fairly complete. (Division of Agricultural Meteorology, Weather Bureau)

141 Climatography. References and compiled statistics on foreign climatography. (Climatological Division, Weather Bureau)

Meteorology and Seismology (cont'd)

142 Meteorological instruments. References on meteorological instruments. (Instrument Division, Weather Bureau)

143 Meteorological terminology and nomenclature. Copious information on this subject, including bibliography, has been assembled by the librarian. (Library, Weather Bureau)

144 Meteorology and climatology. Card index under subject and author to current periodical references. About 34,000 cards. Very full information given. (Library, Weather Bureau)

145 Monthly Weather Review, Combined index. On cards. 1872 to date. (Editor's Office, Monthly Weather Review, Weather Bureau)

146 Seismology. Catalogue of the literature of seismology, under author only. No additions after July 1, 1924. (Library, Weather Bureau)

Parasitology

147 Animal parasites. About 1500 references, selected and arranged in about 50 groups and dealing primarily with North American parasitology. (Private catalogue of Dr. H. E. Ewing, Bureau of Entomology)

148 Multiceps. The genus Multiceps from zoological and veterinary standpoints. More than 700 entries by author. From earliest known reference to date. Abstracts included. Practically complete. (Maurice C. Hall, Bureau of Animal Industry)

149 Medical and veterinary zoology. Index-catalogue, compiled by Dr. C. W. Stiles and Dr. Albert Hassall. On cards. Several hundred thousand entries, under authors and generic and specific names of animal parasites, with a separate index of hosts. Covers 1758 to date. 90 per cent complete. The author catalogue was published 1902-12 as U. S. Department of Agriculture, Bureau of Animal Industry, Bulletin no. 39. Subject catalogues have been published as follows: Trematoda and trematode diseases, as U. S. Hygienic Laboratory Bulletin 37; Cestoda and Cestodaria, Hygienic Laboratory Bulletin 39; Roundworms (Nematoda, Gordiacea and Acanthocephali), Hygienic Laboratory Bulletin 114; Key-catalogue of the Protozoa reported for man, Hygienic Laboratory Bulletin 140. (Zoological Laboratory, Bureau of Animal Industry)

Pharmacology

150 Bio-assay of medicinal drugs, consisting of a card file of about 2,000 references to literature, a card file of abstracts and photostats, and a file containing original notes, selected reprints and photostats of literature cited. (J. C. Munch and E. W. Schwartze, Pharmacological Laboratory, Bureau of Chemistry)

Photographs

151 Photographic reference file. About 25,500 mounted photographs on agricultural and home economics subjects available for the use of employees and cooperators both in Washington and in the field, classified and indexed on cards in two files, one arranged by class and the other by negative number. A subject index has also been kept to date but may be discontinued because of shortage of help. (Visual Instruction and Editorial Section, Office of Cooperative Extension Work)

Some of the bureaus of the Department have also files of photographs pertaining to their work, e. g., Forest Service and the Bureau of Dairying. The photographic files in these two cases are under the care of the bureau librarian.

Plant Diseases

152 Card catalogue of the literature of plant pathology (exclusive of diseases caused by insects). About 25,000 entries arranged alphabetically under general subjects and name of the host plant with subheads under the latter for the specific diseases, either under the common name or that of the organism causing the disease. Cross references appear under the name of the organism. Does not include systematic, morphological and biological papers on fungi and bacteria, which, with author entries are in the Botanical catalogue (see entry no. 27). Practically complete since January, 1914, and includes much material prior to that date. Begun by Eunice R. Oberly, continued by Alice C. Atwood, Bureau of Plant Industry. (Located in Library, U. S. Department of Agriculture)

153 Chlorotic diseases of plants (infectious and noninfectious). Entries by author. Abstracts included. Fairly complete. (F. V. Rand and Lillian C. Cash, Bureau of Plant Industry)

154 Disease resistance (Plant), including all theories proposed in explanation. 1000 entries by author and subject. Up to date. Brief abstracts included. Complete for some phases of the subject. (Dr. Annie May Hurd-Karrer, Bureau of Plant Industry)

155 Malnutrition of plants and its relation to the development of plant diseases. 1200 card entries by author with some subdivision by subjects. Two-thirds complete. Abstracts in many cases. (Dr. George N. Hoffer, Department of Botany, Purdue University, Agricultural Experiment Station, Lafayette, Indiana, in cooperation with the Office of Cereal Investigations, Bureau of Plant Industry, U. S. Department of Agriculture)

156 Mosaic disease of plants. 350 entries by author. Fairly complete to date. (S. P. Doolittle, Bureau of Plant Industry)

157 Organization in the United States for dealing with plant diseases and plant pests. From beginning of such work to 1920. Abstracts included. Practically complete up to 1919. Subject treated from standpoint of education, investigation, extension and regulations. (Mrs. Nellie E. Fealy, Bureau of Plant Industry)

Plant Diseases (cont'd)

158 Parasitic fungi of the world. 200,000 entries by host index. Well started. (Plant Quarantine Inspection Service, Federal Horticultural Board)

159 Plant disease and host index, with geographical distribution for the United States. Approximately 6000 host species are listed with over 30,000 diseases occurring on them. Also indicates when specimens are to be found in Pathological Collections, Bureau of Plant Industry. Distribution obtained from Plant Disease Survey reports, literature and Pathological Collections. Entries by host and fungus. Up to 1925. (G. Hamilton Martin, Jr., Plant Disease Survey, Bureau of Plant Industry

160 Rubber plant diseases. All fungi reported on Hevea brasiliensis and other rubber producing plants. Entries under each host alphabetical by species of fungi. Also corresponding author index. 1500 subject entries, 500 author entries. Up to 1925. (James R. Weir, Bureau of Plant Industry)

161 Soil conditions affecting plant diseases. Soil temperature and soil moisture and their relation to the development of plant diseases. 286 entries by author and subject. Up to March, 1921. Abstracts included. Includes all of the more important references and many minor ones. (Prepared by Edith Seymour Jones, College of Agriculture, Madison Wisconsin. Copy in Department of Plant Pathology, University of Wisconsin, and in Cereal Investigations, Bureau of Plant Industry)

162 Synchytrium endobioticum. Potato wart disease -- Distribution, etiology and control; morphology and cytology of the pathogen - Synchytrium endobioticum. 125 entries by author. Approximately complete for papers giving new information. Abstracts included. (F. Weiss, Bureau of Plant Industry)

163 White pine blister rust (Cronartium ribicola). 1292 entries by author, 1856 to date. Quite complete but being added to daily. (Prepared largely by Dr. Perley Spaulding; being added to by Roy G. Pierce, Bureau of Plant Industry)

Plant Industry

164 Plant Industry. Card catalogue of publications by Bureau of Plant Industry authors, issued in departmental series. Entries by author, subject and series. Complete from organization of the bureau in 1901 to date. (Library, Bureau of Plant Industry)

Soils and Fertilizers

165 Acid phosphate. Card index to references on methods of manufacture, manufacturing plants, machinery, uses in mixed fertilizers, etc., reasonably complete since 1914. 183 entries. (K. D. Jacob, Bureau of Soils)

166 Basic slag. Card index to references on methods of manufacture, composition and utilization, reasonably complete since 1914. 83 entries. (K. D. Jacob, Bureau of Soils)

167 Garbage disposal and utilization. 65 entries. (G. P. Walton, Bureau of Soils)

168 Laterites. Rather complete bibliography. (C. F. Marbut, Bureau of Soils)

169 Organic ammoniate materials. Card index to references on various organic ammoniate materials, reasonably complete as to current articles since 1922. 290 entries. (G. P. Walton, Bureau of Soils)

170 Peat. References on peat and its use in agriculture. 101 entries. (G. P. Walton, Bureau of Soils)

171 Peat. Contribution to a bibliography of the American literature on peat. Over 800 entries covering the entire period to date as completely as possible; arranged by subject. Compiled by Alice C. Atwood, Bureau of Plant Industry. (Located in Library, U. S. Department of Agriculture)

172 Phosphates. Card index to analytical methods, 278 entries; references to natural deposits in U. S. and foreign countries, 268 entries; references to the use of ground raw rock phosphate as a fertilizer, 191 entries; references to the preparation of phosphorus and phosphoric acid by volatilization methods, practically complete since 1914, 39 entries; also card indices to references on the physical and chemical properties of the various phosphates and acids of phosphorus; miscellaneous processes proposed for the utilization of phosphates as fertilizers; utilization of phosphoric acid and phosphates for industrial purposes; and methods of mining and preparing phosphate rock for the market. (K. D. Jacob, Bureau of Soils)

173 Phosphoric acid. Index to patents of phosphoric acid and its salts. More than 400 entries by author, title and patent number. Covers the whole period of the U. S. Patent Office through 1922, since when file of patents has been kept to date but index entries not yet made. (W. H. Ross, Bureau of Soils)

174 Bibliography of Bureau of Soils publications pertaining to potash and other fertilizer materials, also a bibliography of greensand as a raw material for potash manufacture, and one on the extraction of potash from complex mineral silicates, such as feldspar, leucite and glauconite (greensand marl). (J. W. Turrentine, Potash Investigations, Bureau of Soils)

Soils and Fertilizers (cont'd)

175 Slaughter house refuse. References on the utilization of offal and blood from the slaughter of food animals. 40 entries. (G. P. Walton, Bureau of Soils)

176 South America. Soils and geography of South America. Probably complete. (C. F. Marbut, Bureau of Soils)

Technology

177 Dust explosions. Manuscript bibliography of dust explosions, 1875 to 1922; card index 1860 to date of all reported dust explosions in grain elevators, flour, feed and spice mills, starch plants, sugar refineries, etc. (Development Office, Bureau of Chemistry)

178 Fats and Oils. Card index of analysis and technology of fats and oils (over 3000 references) and waxes (over 50 references). (G. S. Jamieson, Oil, Fat and Wax Laboratory, Bureau of Chemistry)

179 Nitrogen fixation. Technical bibliography of nitrogen fixation and conversion processes. 7,000 to 10,000 references classified under ten to twenty major headings and to be completely indexed alphabetically by author and subject. Covers known processes of nitrogen fixation, conversion of primary products to suitable forms and certain miscellaneous analytical details, etc. Is soon to appear in printed form but is maintained in card index form and will be kept up to date. (Prof. H. A. Curtis, Fixed Nitrogen Laboratory. Located at American University)

180 "Patents received in the Bureau of Chemistry Library." A monthly mimeographed list covering the subjects of drugs, dyes, fertilizers, foods, insecticides, leather, paper, sugar, etc. Arrangement by number; author and title given. (Library, Bureau of Chemistry)

181 Preservative treatment of fabrics. Waterproofing, mildewproofing, and fireproofing of fabrics. Extensive file of references and abstracts of books and journal articles. Photostat copies of many original articles. (Leather and Paper Laboratory, Bureau of Chemistry)

182 Preservative treatment of fabrics. Index to all U. S. patents and the more important foreign patents bearing on coating and impregnating processes and preservative treatments for fabrics. Brief abstracts. Fairly complete. (Leather and Paper Laboratory, Bureau of Chemistry)

183 Tanning industry. Card index to articles in trade journals on tanning materials, hides and skins, tanning, leather and leather finishing. About 1920 to date. (Leather and Paper Laboratory, Bureau of Chemistry)

184 Spontaneous combustion. Index to 61 papers, 43 of which have been abstracted. (P. W. Edwards, Bureau of Chemistry)

Technology (cont'd)

185 Turpentine and rosin, pine oil, etc. Covers American, English, French and German journals during the past 15 years. Fairly complete as to the more important papers. (Leather and Paper Laboratory, Bureau of Chemistry)

186 Wood. The acid hydrolysis of wood. On cards. 150 entries by author and subject. 1819 to 1925. Abstracts included. Incomplete. (E. C. Sherrard, Forest Products Laboratory, Madison, Wisconsin)

Toxicology

187 Aliphatic alcohols and alkyl esters. Bibliography on the toxicity of aliphatic alcohols and alkyl esters to animals. Perhaps 250 or 300 references. Complete to date. (E. W. Schwartze, Pharmacological Laboratory, Bureau of Chemistry)

188 Arsenic. Bibliography of arsenic eating and habituation to arsenic. 50 to 60 references. Complete to date. (E. W. Schwartze, Pharmacological Laboratory, Bureau of Chemistry)

189 Cottonseed poisoning. About 100 references. Some abstracts. Complete to date. (E. W. Schwartze, Pharmacological Laboratory, Bureau of Chemistry)

190 Narcosis. About 300 references. (J. O. Munch and E. W. Schwartze, Pharmacological Laboratory, Bureau of Chemistry)

191 Poisonous plants. Toxicology, especially poisonous plants injurious to stock. Card index, arranged by name of plant. Quite extensive. (Dr. C. D. Marsh, Bureau of Animal Industry. A copy also at the Bureau experiment station, Salina, Utah)

192 Rat poison. Bibliography of toxicity of certain poisons to rats. About 250 to 300 references. Complete to date. (E. W. Schwartze, Pharamcological Laboratory, Bureau of Chemistry)

Veterinary Science

193 Veterinary science. Author and subject card index to veterinary periodical literature, including many articles from chemical, medical and general scientific serials. Articles to be indexed are designated by scientists and indexing is done in the library of the bureau. About 190,000 cards. (Library, Bureau of Animal Industry)

Weeds

194 Weeds, with particular reference to control. More than 2,500 entries by subjects - in some instances by author also. Several hundred abstracts included. Up to 1925. (Begun by L. W. Kephart and A. A. Hansen, Bureau of Plant Industry. Continued by M. W. Talbot, Bureau of Plant Industry)

Zoology (Vertebrate)

195 Amphibia and Reptilia of North and Middle America. Several thousand entries by author and species. Includes ecology, life history, food habits, taxonomy and facts of general interest. Not complete. (Bureau of Biological Survey)

196 Amphibia and Reptilia. Generic catalogue of Amphibia and Reptilia, living and fossil, for the entire world. Fairly complete. (Remington Kellogg, Bureau of Biological Survey)

197 Birds of North America. 37,000 entries by author. 1750 to date. Abstracts included. Two-thirds complete. (For consultation apply to Chief, Bureau of Biological Survey)

198 Birds of North America, their distribution, migration and life histories. A card file of published and manuscript notes. About 1,300,000 entries by species. One-third complete. (For consultation apply to the Chief, Bureau of Biological Survey)

199 Birds, food habits and economic value. 30,000 entries. Largely North American birds. References to published notes supplemented by references to manuscript notes and data from correspondence. (Bureau of Biological Survey)

200 Mammals of North America. 8,800 entries by author. 1609 to date. About one-sixth complete. (For consultation apply to the Chief, Bureau of Biological Survey)

201 Mammals of North America, their distribution and life history. Card file of published and manuscript notes. 124,000 entries by species. 1609 to date. About one-eighth complete. (For consultation apply to the Chief, Bureau of Biological Survey)

202 Mammals in their economic relations. 15,000 entries. Author and title entries. About 1905 to date. Gives data regarding the relation of rodents and predatory animals to agriculture, horticulture, forestry, and livestock production, including methods of control and information regarding the value of certain species as game and as fur-bearers. (Bureau of Biological Survey)

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